

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 12 | 508/291.ccls. and raffinate | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/15 14:48 |
| S1 | 61 | crawford-john.in. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/11 13:49 |
| S2 | 82 | crawford-john.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/08/10 14:54 |
| S3 | 10 | ("2048935").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/08/10 14:56 |
| S4 | 122 | crawford-j.in. | DERWENT | AND | ON | 2006/08/10 15:27 |
| S5 | 1 | 1980-90830C.NRAN. | DERWENT | AND | ON | 2006/08/10 14:58 |
| S6 | 4 | raffinate with succinimide and @ad<"20031211" | DERWENT | AND | ON | 2006/08/10 15:27 |
| S7 | 6 | raffinate with succinimide and @ad<"20031211" | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/10 16:02 |
| S8 | 1 | ("5814715").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/10 15:56 |
| S9 | 66 | raffinate with (polyisobutylene or polyisobutene) and @ad<"20031211" | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:37 |
| S10 | 6 | ((("4935576") or ("4952739") or ("4982045") or ("2001662"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/08/10 16:42 |
| S11 | 16 | ((("0145235") or ("0481297") or ("2702604") or ("0628575") or ("0322241") or ("9310063"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/08/10 16:32 |
| S12 | 2 | ("4605808").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/08/10 16:32 |

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| S14 | 1 | ("5652201").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/11 09:44 |
| S15 | 668 | mishra.in. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/10 17:32 |
| S16 | 13 | mishra.in. and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/10 17:33 |
| S17 | 45 | (highly adj reactive adj polyisobutylene) and @ad<"20031211" | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:18 |
| S18 | 2 | raff with (polyisobutylene or polyisobutene) and @ad<"20031211" | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:34 |
| S20 | 924 | raffinate and (isobutene or isobutylene) and @ad<"20031211" | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:36 |
| S21 | 277 | raffinate and (polyisobutylene or polyisobutene) and @ad<"20031211" | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:37 |
| S22 | 66 | raffinate with (polyisobutylene or polyisobutene) and @ad<"20031211" | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:37 |
| S23 | 211 | S21 not S22 | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:39 |
| S24 | 0 | ("isobutylene and raffinate") | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:39 |
| S25 | 2161 | raffinate and (reaction adj mixture) | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:39 |
| S26 | 3 | raffinate near (reaction adj mixture) | US-PGPUB; USPAT; USOCR; EPO; JPO | AND | ON | 2006/08/11 09:39 |
| S28 | 1 | ("4152499").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/11 09:45 |

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| S29 | 0 | ("(movingadjparts)nearlubricantnearwear@ad<"20031211").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/11 13:49 |
| S30 | 1 | (moving adj parts) near lubricant near wear and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/11 13:51 |
| S31 | 140 | (moving adj parts) near lubricant and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/11 14:54 |
| S32 | 1 | (moving adj parts) near lubricant and (vehicle adj transmission) and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/11 14:55 |
| S33 | 34 | (moving adj parts) near lubricant and transmission and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/11 16:01 |
| S34 | 4 | (moving adj parts) near lubricant and (drive adj train) and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/11 16:02 |
| S35 | 145 | raffinate and vinylidene and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 09:26 |
| S36 | 123 | "hydrocarbyl-substituted succinimide" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:23 |
| S37 | 4 | "hydrocarbyl-substituted succinimide" with ratio | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:24 |
| S38 | 16 | "hydrocarbyl-substituted succinimide" with "succinic acid" and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:29 |
| S39 | 0 | "hydrocarbyl-substituted succinimide" with "1:1" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:30 |
| S40 | 0 | "hydrocarbyl-substituted succinimide" with "1:1.0" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:30 |
| S41 | 0 | "hydrocarbyl-substituted succinimide" with "1:1.6" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:30 |
| S42 | 2 | "hydrocarbyl-substituted succinimide" with "1.0:1.0" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:30 |
| S43 | 1 | succinimide with "1.0:1.0" and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:31 |

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| S44 | 1 | succinimide with "1.0:1.6" and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:31 |
| S45 | 502 | succinimide with (succinic adj acid) and ratio and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:31 |
| S46 | 19 | succinimide with (succinic adj acid) with ratio and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:40 |
| S47 | 0 | monosuccinimide with (succinic adj acid) with ratio and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:40 |
| S48 | 81 | monosuccinimide and ratio and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:41 |
| S49 | 10 | monosuccinimide with ratio and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:41 |
| S50 | 29 | polyisobutylene with succinimide with ratio and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/14 17:42 |
| S51 | 1 | (saponification adj number) with succinimide | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/15 10:19 |
| S52 | 271 | (saponification adj number) with succinic | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/15 10:19 |
| S53 | 237 | (saponification adj number) with succinic and @ad<"20031211" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/15 10:19 |
| S54 | 160 | S53 and succinimide | US-PGPUB; USPAT; USOCR | AND | ON | 2006/08/15 10:19 |
| S55 | 11 | ((("4971598") or ("3708522") or ("3702757") or ("3649659") or ("3649229") or ("3639242") or ("3600372"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/15 10:45 |